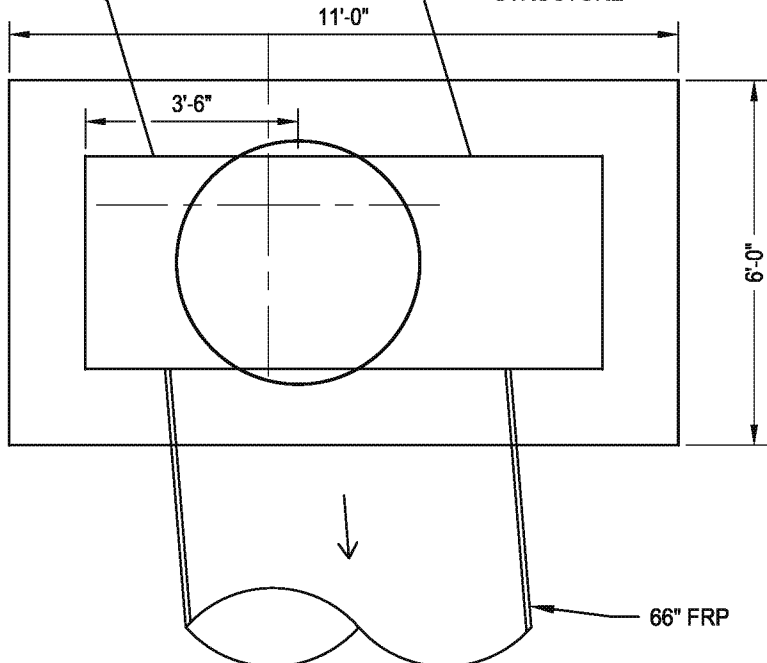
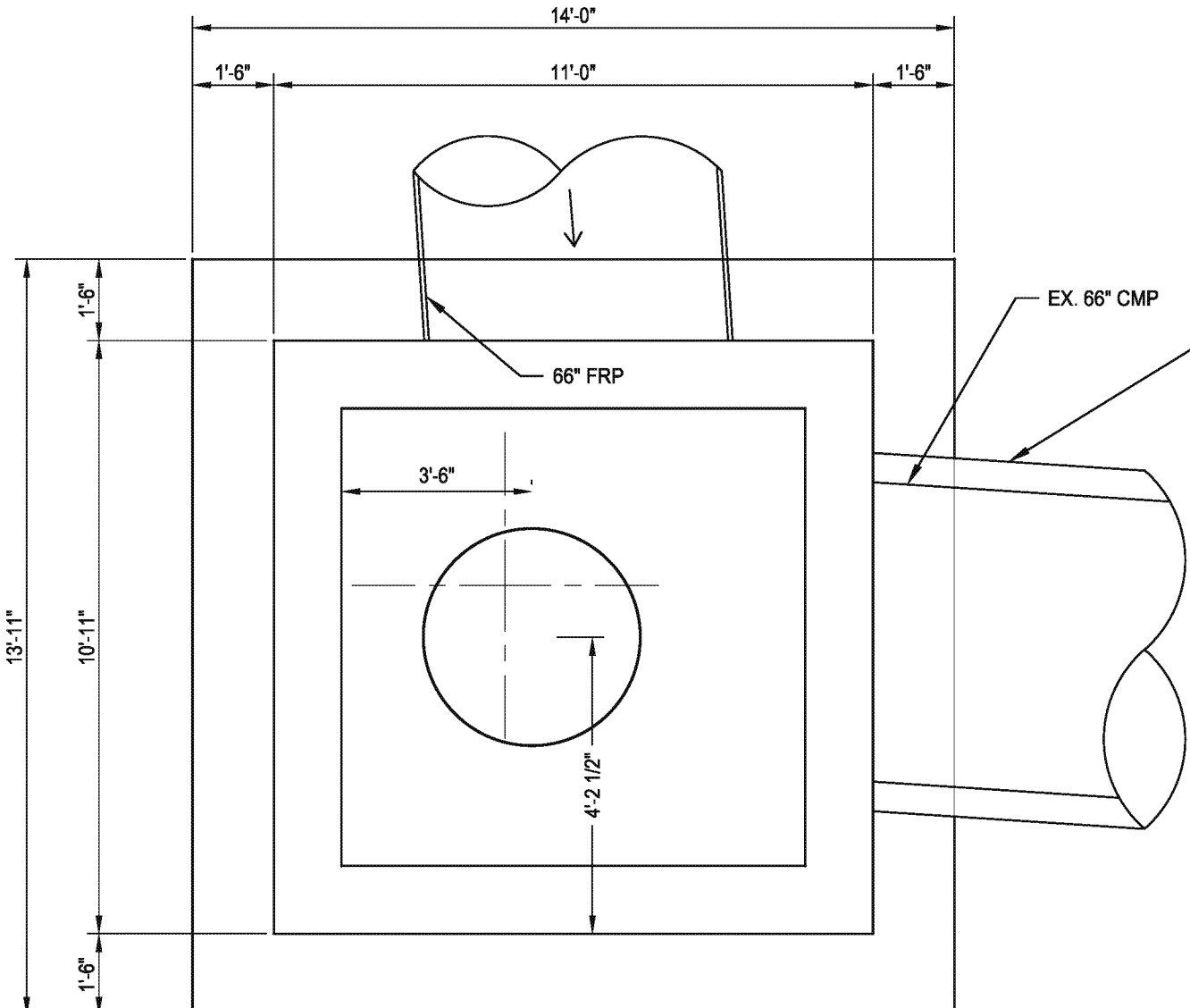


EX. 5' WIDE X 5' HIGH WOODEN BOX CULVERT (INV. UNKNOWN)

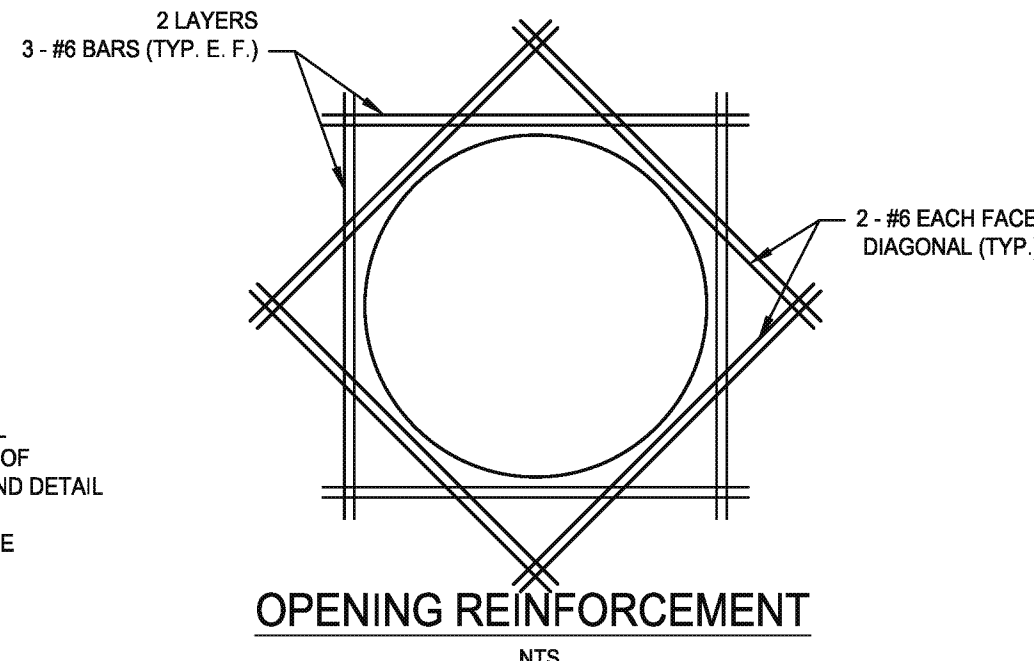
CONTRACTOR SHALL ESTABLISH DETAILS OF EXISTING 5'X5' WOOD CONDUIT AND DETAIL OF CONNECTION TO PROPOSED MANHOLE STRUCTURE



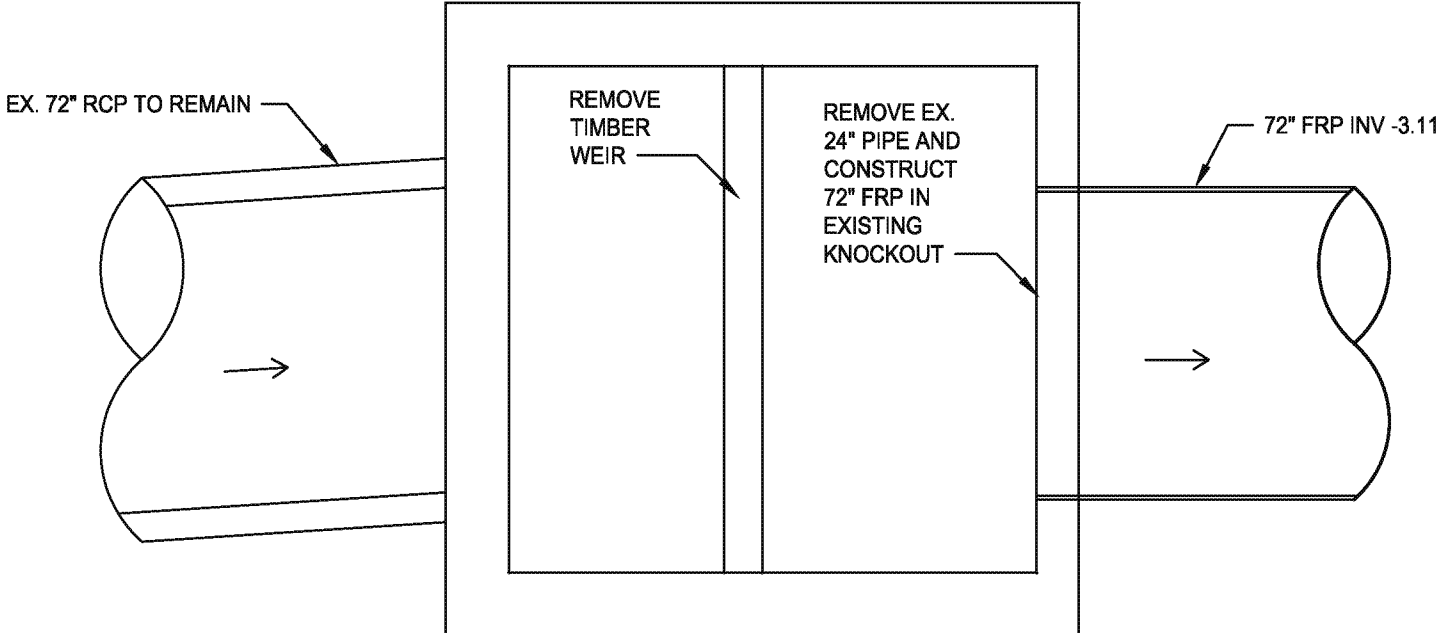
PLAN
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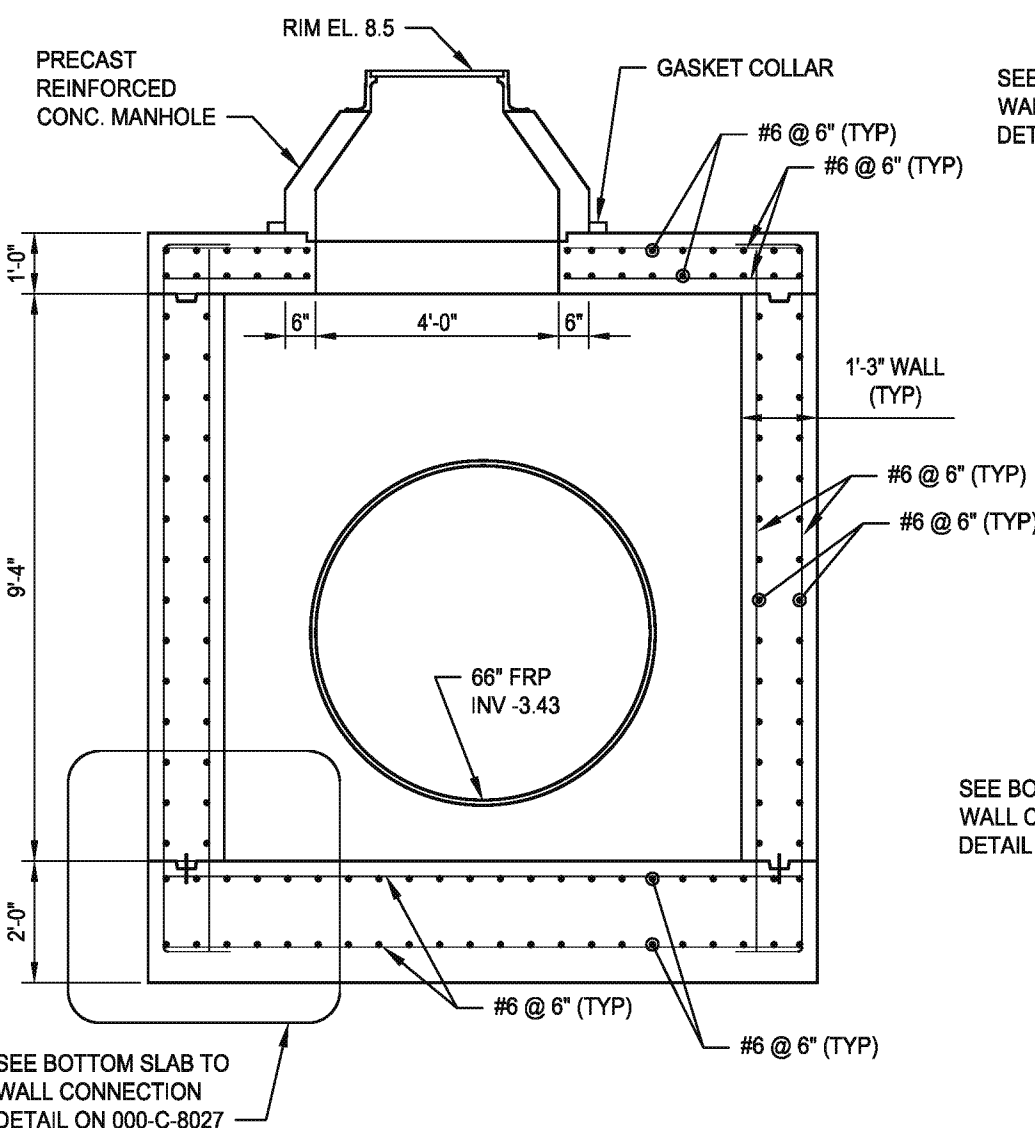


ALL EXISTING PIPES CONNECTED TO DMH 13 SHALL REMAIN IN SERVICE, EXCEPT THE 24" PIPE TO BE REPLACED BY A 72" FRP AS SHOWN ON PLAN. LATERAL PIPES CONNECTING INTO MH ARE NOT SHOWN.



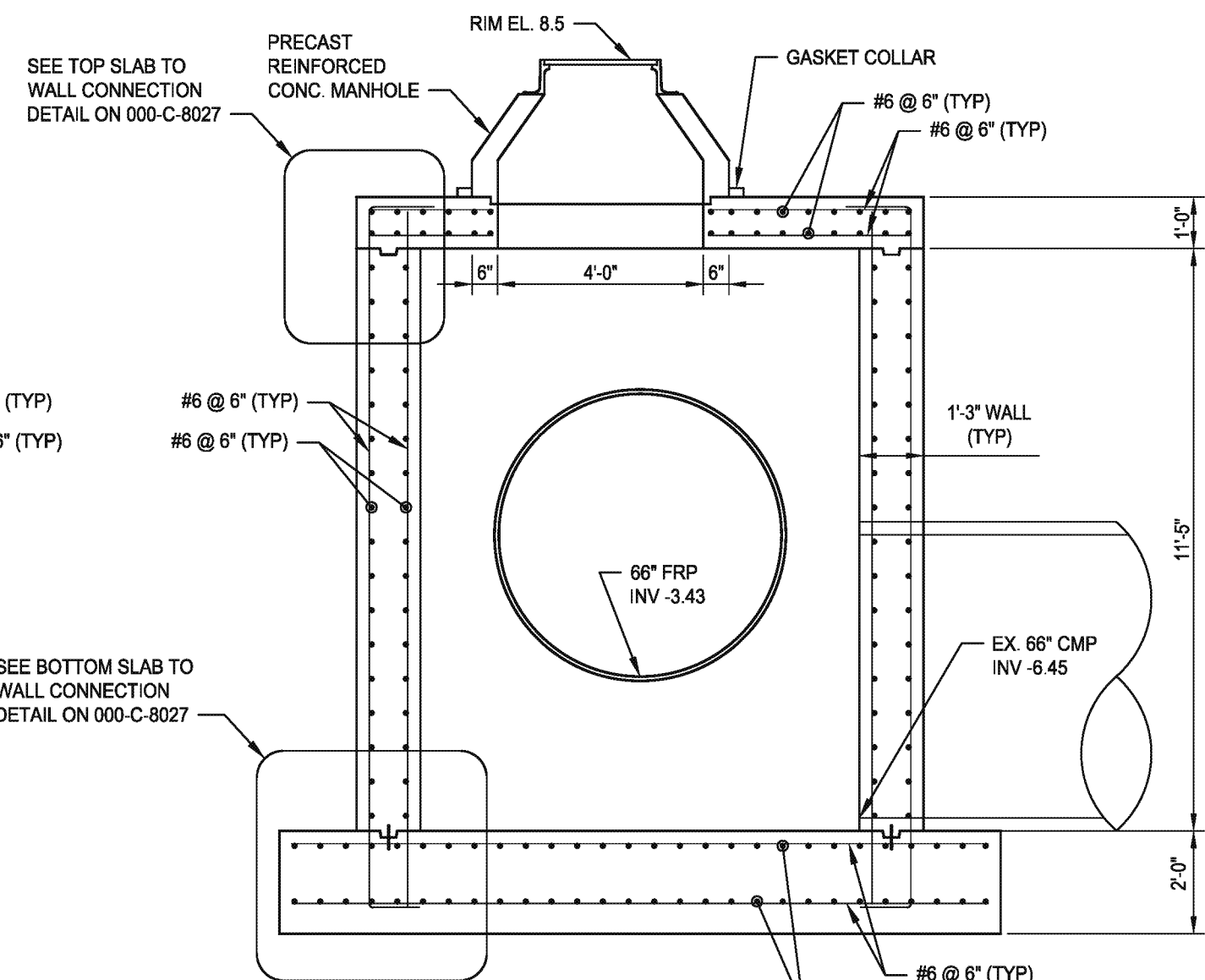
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MODIFICATIONS TO EX. DMH 13
NTS



SECTION
NTS

MH RUTHERFORD OVERFLOW #1
NTS



SECTION
NTS

MH RUTHERFORD OVERFLOW #2
NTS

- NOTES:
1. MINIMUM DEVELOPMENT LENGTH OF 28" SHALL BE MAINTAINED FOR ALL BARS.
 2. MINIMUM HOOK DEVELOPMENT LENGTH OF 14" SHALL BE MAINTAINED FOR ALL HOOKS.
 3. MINIMUM LAP SPLICE LENGTH OF 48" SHALL BE MAINTAINED.
 4. PROVIDE 12" COMPACTED GRAVEL OR 6" LEAN CONCRETE UNDER THE BASE SLABS.
 5. SHAPED INVERT CHANNEL SHALL BE PROVIDED UP TO THE SPRING-LINE OF THE LOWEST PIPE ENTERING AND LEAVING ALL STRUCTURES, OR AS OTHERWISE DIRECTED BY THE ENGINEER.
 6. A JOINT SHALL BE CAST INTO THE TOP OF ALL CIP STRUCTURES TO MATCH THE BASE OF PRECAST RISER SECTIONS PER THE MANUFACTURERS RECOMMENDATIONS.
 7. FOR ALL OPENINGS, PROVIDE ADDITIONAL REINFORCEMENT AS SHOWN IN DETAIL.
 8. RUTHERFORD AVE. OVERFLOW MANHOLES ARE ASSOCIATED WITH A COMBINED SEWER SYSTEM. THIS SYSTEM SHALL BE CLEANED AS REQUIRED TO CONSTRUCT THE SEWER IMPROVEMENTS. (SEE SPECIFICATIONS)
 9. THE FRP PENETRATIONS OF STRUCTURE WALLS SHALL BE A FLEXIBLE WATERTIGHT JOINT, AS RECOMMENDED BY THE MANUFACTURER.
 10. SEE NOTES ON SHEET 000-C-0001 FOR SPECIAL SUBGRADE PREPARATION AND BACKFILL REQUIREMENTS.

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

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GREEN LINE EXTENSION PROJECT
MBTA CONTRACT NO. E22CN04
CAMBRIDGE/SOMERVILLE, MASSACHUSETTS

MEDFORD BRANCH DRAINAGE DETAILS
LOWER MILLERS RIVER DRAINAGE
SHEET 1

SCALE: NTS	DRAWN BY: LAN	DESIGN BY: BJS	CHECK BY: ANC	PLAN NO. 178,688	ISSUE 0
DATE: SEP 12, 2014				SHEET: 000-C-8026	



GLX	massDOT	Massachusetts Department of Transportation
0	09/12/14	CONFORMED DOCUMENT SUBMISSION - IGMP-03
ISSUE	DATE	DESCRIPTION
		BY: CHKD: APP:

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